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WHAT IS CLAIMED IS:

1. An extraction device for use in a casting apparatus to remove a stuck cast part, the casting apparatus including a moveable mold section and a stationary mold section so that when the moveable mold section is in a closed position and in contact with the stationary mold section a part shape cavity is defined, said extraction device comprising:

an extraction member disposed in the stationary mold section during the casting of a cast part, said extraction member disposed adjacent the part shape cavity and moveable between a first position, wherein the extraction member cooperates with the mold sections to form a part of the part shape cavity, and a second position, wherein said extraction member is operative to engage and eject the stuck cast part from the part shape cavity.

- The extraction device according to Claim 1 wherein said extraction member is disposed in a cavity provided in the stationary mold section.
 - 3. The extraction device according to Claim 1 wherein said extraction member includes a shoulder for supporting said extraction member on a ledge of the stationary mold section to prevent flash into said cavity thereof during a casting process.
- The extraction device according to Claim 1 wherein said extraction member includes a lever, a lock, a plate, a pin, and at least a first threaded
 fastener which is operative to releasably secure said extraction member in the stationary mold.

5. An extraction device for use in a casting apparatus to remove a stuck cast part, the casting apparatus including a moveable mold section and a stationary mold section so that when the moveable mold section is in a closed position and in contact with the stationary mold section a part shape cavity is defined, said extraction device comprising:

an extraction member disposed in a cavity of the stationary mold section during the casting of a cast part, said extraction member disposed adjacent the part shape cavity and moveable between a first position, wherein the extraction member cooperates with the mold sections to form a part of the part shape cavity, and a second position, wherein said extraction member is operative to engage and eject the stuck cast part from the part shape cavity, said extraction member includes a lever, a lock, a plate, a pin, and at least a first threaded fastener which is operative to releasably secure said extraction member in the cavity of the stationary mold.

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6. The extraction device according to Claim 5 wherein said extraction member includes a shoulder for supporting said extraction member on a ledge of the stationary mold section to prevent flash into said cavity thereof during a casting process.

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7. A casting apparatus comprising:

a stationary mold section;

a moveable mold section which is moveable relative to said stationary mold section between an opened position and a closed position, in said closed position said moveable mold section in contact with said stationary mold section to define a part shape cavity; and

extraction device for removing a stuck cast part from said stationary mold section, said extraction member disposed in said stationary mold section during

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the casting of the cast part, said extraction member disposed adjacent said part shape cavity and moveable between a first position, wherein said extraction member cooperates with the mold sections to form a part of said part shape cavity, and a second position, wherein said extraction member is operative to engage and eject the stuck cast part from said part shape cavity.

- 8. The casting apparatus according to Claim 7 wherein a plurality of said extraction devices are disposed in said stationary mold section.
- 9. The casting apparatus according to Claim 7 wherein said extraction member is disposed in a cavity provided in said stationary mold section.
 - 10. The extraction device according to Claim 7 wherein said extraction member includes a shoulder for supporting said extraction member on a ledge of said stationary mold section to prevent flash into said cavity thereof during a casting process.
- The extraction device according to Claim 7 wherein said extraction member includes a lever, a lock, a plate, a pin, and at least a first threaded
 fastener which is operative to releasably secure said extraction member in the stationary mold.